S+ARCK

WITH



Full Weather Station with Radio Controlled Clock and Projection (Model #:PS L02A)

User Manual

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ABOUT THIS GUIDE

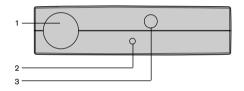
Congratulations on your selection of the Philippe Starck with Oregon Scientific Full Weather Station with Radio Controlled Clock and Projection (PS L02A). This innovative time piece provides not only time keeping, but also alarm clock, indoor and wireless outdoor temperature, humidity monitoring, weather forecast, and projection clock features into one convenient package.

Keep this manual handy as you use your new product. It contains practical step-by-step instructions, as well as technical specifications and warnings you should know. In this box, you will find:

- Main unit
- Remote sensor
- Batteries
- AC/DC power adapter

PRODUCT OVERVIEW

TOP VIEW



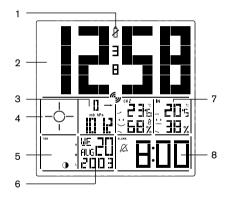
DESCRIPTIONS

- 1. Snooze/Light and Projection Button
- 2. Light sensor
- 3. Projection lens



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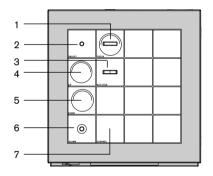
LCD DISPLAY



DESCRIPTIONS

- 1. Low batteries icon
- 2. Clock
- 3. Barometer
- 4. Weather forecast
- 5. Moon phase
- 6. Calendar
- 7. Temperature and humidity
- 8. Alarm

BACK VIEW



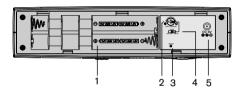
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BUTTON DESCRIPTIONS

- 1. Focus focus projector
- 2. Select switch modes / change settings
- 3. Rotation rotate projector
- 4. Up increase setting / activate auto-synch
- 5. Down decrease setting / deactivate auto-synch
- 6. Alarm -activate / deactivate alarm
- 7. Channel switch remote unit

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BOTTOM VIEW



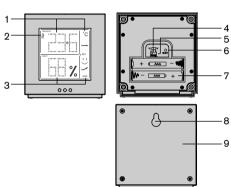
DESCRIPTIONS

- 1. Battery compartment
- 2. Light sensitivity knob
- 3. Reset button
- 4. Backlight switch
- 5. DC power input jack

NOTE AC power adapter not shown.

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REMOTE UNIT



DESCRIPTIONS

- 1. Temperature / Trend display
- 2. Low battery icon
- 3. Humidity / Trend / Comfort Level display
- 4. °F / °C switches
- 5. Channel switches
- 6. Reset button
- 7. Battery compartment
- 8. Wall-mount hole
- 9. Battery compartment lid

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GETTING STARTED

BATTERIES

Batteries for the remote and main units are supplied with this product. Replace them whenever the low battery signal (\$) displays. Remove the battery compartment lid on the bottom of the main unit, and insert the batteries. Use a small Phillips screwdriver to remove the remote unit compartment lid. Be sure to match the correct polarity, as shown in the battery compartment. Before you close the lid, press the **RESET** button with the point of a blunt object (such as a ball point pen). **NOTE** Insert the batteries in the remote unit before you set up the main unit. Do not use rechargeable batteries.

AC POWER ADAPTER

An AC power adapter is supplied for use with the main unit. You must connect the power adapter if you wish to use the continuous projection or backlight features. The jack is located in the battery compartment.

NOTE If the AC power becomes unavailable, the unit will automatically switch to battery power.

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SWITCH BETWEEN MODES

Press **SELECT.** The select mode will flash. The display will stop flashing if no key is pressed within 5 seconds.

CHANGE SETTINGS

Press and hold **SELECT** for 2 seconds. Then, press **UP** or **DOWN** to change each setting. Press **SELECT** to switch options.

REMOTE UNIT SET UP

Up to 3 remote units can be used with this product to monitor outdoor temperature and humidity. The measurement unit (°F or °C) and channel number (1, 2, or 3) switches are located in the battery compartment, and should be set prior to installation.

NOTE Additional remote units sold separately. If you are using more than one remote unit, be sure to select a different channel number for each unit.

INSTALLATION

Mount the remote unit on a flat surface using the recess holes on the back of the unit.

For best results:

- Before you insert the batteries, select the measurement unit and channel number first.
- Place the unit out of direct sunlight and moisture.
- Do not place the remote unit more than 60 – 90 feet (20 – 30 meters) from the main (indoor) unit.

 Position the unit so that it faces the main (indoor) unit. Minimize obstructions such as doors, walls, and furniture.

You may need to experiment with various locations to get the best reception.

CLOCK

This product can automatically synchronize the date and time with the US Atomic Clock. When the unit is within 932 miles (1500 km) of a RF signal, the reception icon will blink.

RECEPTION

Reception takes 2 – 10 minutes to complete. Once complete, the icon will stop blinking.

Strong signal	Weak signal	No signal
- <u>–</u> –	*	*

NOTE For best results, place the unit away from metal or electrical objects, and near a window with a clear view to the sky.

TO DISABLE OR ENABLE AUTO-SYNCHRONIZATION

In Clock mode, press **DOWN** for 2 seconds to disable the auto-synchronization. The unit will not respond to radio signals until you reactivate the synchronization.

To enable auto-reception, press UP for 2 seconds.

SET OR CHANGE THE CLOCK

- 1. Press **SELECT** to switch to the Clock Mode. The time will flash.
- 2. Press and hold **SELECT** for 2 seconds to enter the setting mode.
- Select the US time-zone (Pacific, Mountain, Central or Eastern), 12/24-hour format, hour, and minute. Press UP or DOWN to change the setting. Press SELECT to confirm.

ALARM

When activated, the Melody Alarm starts quietly, then gradually becomes louder. It shuts off after two minutes. The LCD display lights up for the first 8 seconds.

SET ALARM

- 1. Press **SELECT** several times until the Alarm area flashes.
- 2. Press and hold **SELECT** for 2 seconds to enter the setting mode.
- Select the hour, minute, A melody (1-7) and volume level (Lo or Hi). Press UP or DOWN to change the setting. Press SELECT to confirm.
- 4. Press SELECT again when you are finished.

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SNOOZE

Press the **SNOOZE/LIGHT** button the top of the unit to temporarily disable the alarm for 8 minutes. The alarm icon will blink while Snooze is activated.

TO TURN THE ALARM OFF OR ON

Press any button to stop the alarm.

To turn the alarm off completely (deactivate it for the next day), press **ALARM**.

CALENDAR

SET DATE

Clock auto-synchronization must be deactivated before you manually set the date. (\rightarrow pg.11)

- Press SELECT several times until the calendar area flashes.
- 2. Press and hold **SELECT** for 2 seconds to enter the calendar setting mode.
- Select the year, month, date, and language. Press UP or DOWN to change the setting. Press SELECT to confirm.

NOTE The language options are (E) English, (F) French, (D) German, (I) Italian, and (S) Spanish.

MOON PHASE

Press **SELECT** until the Calendar Area flashes. Then, press **UP** or **DOWN** to change the date and view the corresponding moon phase.

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BAROMETER

This product tracks barometric pressure changes over the past 24 hours to provide the weather forecast (\rightarrow pg.14) and a trend line showing the direction of barometric change. Barometric changes are measured by the main (indoor) unit.

BAROMETRIC TREND

The barometric trend arrow for the last 30 minutes is always displayed.

Trend	Description		e change 'hPa)
		1 hr	6 hr
-	Rising	+1	+3
-	Steady	Steady	Steady
	Failing	-1	-3

VIEW THE LAST 24 HOURS

Press **SELECT** 2 times until the Barometer Area flashes. Then, press **UP** or **DOWN** to view the last 24 hours history.

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SET UNIT AND ALTITUDE

You can set the unit of measurement (mb/hPa or inHg) and altitude. Setting the altitude allows the product to take more accurate barometric measurements.

- 1. Press **SELECT** 2 times until the Barometer Area flashes.
- 2. Press and hold SELECT for 2 seconds.
- Select altitude: -100 meters to 2500 meters in increments of 10 (-328 to 8202 feet in increments of 32.81 feet) and the unit of measurement (mb/ hPa or inHg). Press UP or DOWN to change the setting. Press SELECT to confirm.

WEATHER FORECAST

This product forecasts the next 12 to 24 hours of weather within a 19 - 31 mile (30 to 50 km) radius with 70 to 75 percent accuracy. The weather forecast is always displayed.

Clear	Partly Cloudy	Cloudy	Rainy
-\$-	Ş	\sum	

TEMPERATURE AND HUMIDITY

With the press of a button, you can check the current indoor or outdoor temperature, humidity percentage, comfort level, trend, and record measurements.

Outdoor measurements are collected by the remote unit.

Temperature is give at the top; humidity is below.

VIEW MIN / MAX / CURRENT MEASUREMENTS

Press **SELECT** 3 times until the Temperature and Humidity Areas flash. Press **UP** or **DOWN** to scan the readings.

CLEAR MIN / MAX MEASUREMENTS

While viewing Min/Max measurements, press and hold **UP** or **DOWN** for 2 seconds until a beep sounds. This clears the previous measurements from the memory.

SELECT REMOTE UNIT CHANNEL

While in the Temperature / Humidity Mode, press CHANNEL to switch between CH 1, 2, or 3, or press and hold CHANNEL for 2 seconds to enter Auto scan mode. If only 1 remote unit is in use, you will not be able to change channels or Auto scan. If you select "Auto", the channel will change every 3 seconds. To deactivate, press and hold CHANNEL for 2 seconds again.

SENSOR SEARCHING

If there is no remote unit signal, the temperature and humidity measurement will be blank. Check the remote unit batteries, or press and hold **UP** and **DOWN** for 2 seconds to search for the remote unit(s).

Searching	No sensor	Sensor found
		Ð

NOTE Signals from household electrical appliances such as doorbells and home security systems can cause temporary reception failures between the indoor and outdoor units. This is normal and does not affect the general performance of the product. Reception will automatically resume once the interference ends.

COMFORT ZONE

The indoor and outdoor comfort zones are shown for the following conditions.

Zone	Temperature	Relative Humidity
Wet	Any	>70%
Dry	Any	<40%
Comfort	68 - 77 °F (20 - 25 °C)	40 – 70%

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TRENDS

The trend arrow for the last 30 minutes always displays. Indoor and outdoor temperature and humidity trends are shown separately.

Trend	Temperature	Relative Humidity
	+0.9 °F	+3%
	Steady	Steady
	-0.9 °F	-3%

SET UNIT

While in Temperature / Humidity Mode, press **SELECT** for 2 seconds. Press **UP** or **DOWN** to switch between °F and °C. Press **SELECT** to confirm.

BACKLIGHT

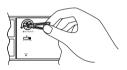
Press **SNOOZE/LIGHT** to illuminate the backlight for 5 seconds.

CONTINUOUS BACKLIGHT

The AC power adapter must be plugged in to use this feature (\rightarrow pg.8).

- The **BACKLIGHT** switch is located in the battery compartment. Move it to the "ON" position to enable the continuous backlight. Move it to the "OFF" position to disable.
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- Move it to the "AUTO" position to enable continuous backlight controlled by light intensity. When activated, the backlight will be on whenever the unit perceives that the room is dark.
- 3. The Light Sensitivity knob is located in the battery compartment. Rotate to adjust.



4. When activated, the continuous backlight will be half as bright as usual. To achieve full brightness, press **SNOOZE/LIGHT.**

PROJECTOR

This product has a built-in projector for viewing time and alarm status at night.

NOTE The maximum projection range is 2 meters (6 feet). The image gets larger the farther you display it.

PROJECT TIME / ALARM STATUS

In a darkened room, press **SNOOZE/LIGHT** to display the time and alarm status for 5 seconds.

FLIP IMAGE

Press **SNOOZE/LIGHT** again while the projector is on.

ROTATE IMAGE

The **ROTATION** switch is located on the back of the unit. Rotate to adjust.

FOCUS IMAGE

The **FOCUS** switch is located on the back of the unit. Rotate to adjust.

CONTINUOUS PROJECTION

The AC power adapter must be plugged in to use this feature (\rightarrow pg.8).

Press and hold **SNOOZE/LIGHT** for 2 seconds when the projection is on. When activated, the time and alarm atatus will project continuously

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Press and hold **SNOOZE/LIGHT** for 2 seconds again to deactivate.

RESET SYSTEM

The **RESET** buttons are located in the battery compartments for the main and remote units. Press these buttons with the tip of a blunt object (such as a ball point pen) whenever you change the batteries, or whenever performance is not behaving as expected (e.g., unable to establish radio frequency link with remote unit or automatic clock, etc.) This will return all settings to default value, and you will lose all stored information (minimum / maximum temperature and humidity, etc.).

SAFETY AND CARE

Clean the unit with a slightly damp cloth and mild detergent. Avoid dropping the unit or placing it in a location where the AC power adapter will be stepped on.

WARNINGS

This product is designed to give you years of service if handled properly. Observe the following guidelines:

NOTE Do not make any unauthorized modifications to this product. Unauthorized modifications will void the warranty.

• Never immerse the unit in water. This can cause electrical shock and damage the unit.

- Do not subject the main unit to extreme force, shock, or fluctuations in temperature or humidity.
- Do not tamper with the internal components.
- Do not mix new and old batteries or batteries of different types.
- Do not use rechargeable batteries with this product.
- Remove the batteries if storing this product for a long period of time.
- Do not scratch the LCD display.
- Do not make any changes or modifications to this product. Unauthorized changes may void your right to use the product.
- The content of this user manual are subject to change without notice.
- Images not drawn to scale.
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TROUBLESHOOTING

Problem	Symptom	Remedy
Temp	Shows "LLL" or "HHH"	Temperature is out-of- range.
Calendar	Strange date / month	Change language (→ pg.12)
Backlight	No continuous backlight	Plug in AC power adapter. Check the BACKLIGHT switch. $(\rightarrow pg.8, 17)$
Projector	No continuous backlight or projection	Plug in AC power adapter (→ pg.8, 17, 18)

Problem	Symptom	Remedy
Remote unit	Cannot locate remote unit	Check batteries (→ pg.8)
		Check location (→ pg.9)
	Cannot change channel	Check sensors. Only one sensor is working (→ pg.15)
Clock	Cannot auto- synchronize	 Make sure auto- synchronization is enabled (→ pg. 11) 1. Remove batteries. 2. Press RESET. All memory items will return to default.

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Problem	Symptom	Remedy
		 Replace batteries. Place clock near window / away from electrical devices, and wait 10 - 20 minutes. If it still fails, you may
		be too far from a signal.
	Cannot change clock	Disable auto- synchronization $(\rightarrow pg.11)$
Baro	Strange reading	Set altitude / unit (→ pg.14)

SPECIFICATIONS

Main unit dimensions

LxWxH	7.1 x 1.77 x 7.3 inches
	(181 x 45 x 185.3 mm)
Weight	2.02 lbs / 914 grams with battery

Remote unit dimensions

LxWxH	3 x 1.4 x 3.1 inches
	(75 x 35 x 78.3mm)
Weight	0.3 lbs / 136 grams with battery

Temperature

°F or °C
Main unit: 23 °F to 122 °F
(-5 °C to 50 °C)
Remote Unit: -4 °F to 140 °F
(-20 °C to 60 °C)
0.2° F (0.1 °C)
68 °F to 77 °F (20 °C to 25 °C)
(see also, Relative humidity)
Minimum / maximum
+/- 0.9 °F (+/- 0.5 °C) change

Relative humidity

Range	Main & Remote Unit: 25% to 95%
Resolution	1%
Comfort	40% to 70% (see also,
	Temperature)

Memory Trend Barometer Unit Range Resolution Altitude

Display

Memory

Trend

mb/hPa or inHg 500 to 1050mb (14.77 to 31.01 inHg) 1mb (0.03 inHg) -328 to 8202 feet (-100 to 2500 meters) Rainy, cloudy, partly cloudy, sunny 24 hour 1mb change in 1 hour or 3mb change in 6 hours

Minimum / maximum

3% change

Remote unit

RF frequency Range

Transmission

Channel No.

Unit

433 MHz 98 feet (30 meters) with no obstructions approximately every 40 seconds 1, 2, or 3 °F or °C

Radio-controlled clock

 Synchronization
 Auto or disabled

 Clock display
 HH:MM:SS

 Hour format
 12hr AM/PM (default) or 24hr

 Calendar
 DD/MMM; weekday selection in 5 languages (E, D, F, I, S)

 Moon phase
 High, medium, and low tide

 Alarm
 7 melody; 2 minute crescendo

 Snooze
 8 minutes

Projector

Display Rotation Focusing Projection Current time / alarm status 180° and image flip Manual 5-second or continuous

Power

Remote unit

Main unit

4 x UM-3 (AA) 1.5V alkaline batteries (back-up) AC/DC 6V power adapter (for normal operation and continuous backlight and projector) 2 x UM-4 (AAA) 1.5V alkaline batteries

ABOUT OREGON SCIENTIFIC

Visit our website (www.oregonscientific.com) to learn more about other Oregon Scientific[™] products such as digital cameras, projection clocks, health and fitness gear, and weather stations. The website also includes contact information for our customer service department, in case you need to reach us.

FCC STATEMENT

PS-L02A English r8 op

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation. **Warning:** Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

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However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- · Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/ TV technician for help.

DECLARATION OF CONFORMITY

The information below is not to be used as contact for support or sales. Please call our customer service number (listed on our website at <u>www.oregonscientific.com</u>, or on the warranty card for this product) for all inquiries instead.

We

Oregon Scientific, Inc.
19861 SW 95 th Place, Tualatin, Oregon 97062 USA
1-800-853-8883
1-503-684-8883

declare that the product

Product No.:	PS L02A
Product Name:	Remote Thermo Hygro
Manufacturer:	IDT Technology Limited
Address:	Block C, 9/F, Kaiser Estate, Phase 1, 41 Man Yue St., Hung Hom, Kowloon, Hong Kong

is in conformity with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- 1) This device may not cause harmful interference.
- 2) This device must accept any interference received, including interference that may cause undesired operation.

CAUTION

- The content of this manual is subject to change without further notice.
- Due to printing limitation, the displays shown in this manual may differ from the actual display.
- The contents of this manual may not be reproduced without the permission of the manufacturer.

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